

From: [Valerie Oster](#)
To: [Bob Wyatt](#); [Jim McKenna](#); [Rick Applegate](#); [Valerie Oster](#); [Eric Blischke/R10/USEPA/US@EPA](#); [Chip Humphrey/R10/USEPA/US@EPA](#)
Cc: [Sandy Browning](#); [Gene Revelas](#)
Subject: FW: Revised Round 2 Benthic Toxicity GIS File
Date: 05/24/2007 09:36 AM

[Eric, Chip,](#)

[Please see below from Sandy Browning.](#)

[Thanks,](#)
[valerie](#)

Valerie Thompson Oster
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From: Sandy Browning [<mailto:sbrowning@integral-corp.com>]
Sent: Wednesday, May 23, 2007 3:08 PM
To: Valerie Oster
Subject: Revised Round 2 Benthic Toxicity GIS File

Valerie,

Please notify both the LWG and EPA that the referenced revised file has been posted on the LWG server for EPA use. The previous file has been removed. The following message from Linda Marsh/Windward explains:

“ToxFPM_LRM_Tests_102406.shp”, the benthic toxicity shapefile distributed on the LWG Portal with the Comprehensive Round 2 Report data, has erroneous floating percentile model (FPM) predictions for 7 stations where total PCBs Aroclors were the only analyte exceeding modeled threshold values. These stations were listed as not-toxic when the correct prediction was toxic. The stations affected are G090, G011, G015, G085, G282, G473, and G477.

[This layer should be discarded by GIS users and replaced with “ToxFPM_LRM_&_Tests_110906.shp”](#), which has the errors corrected. Field names are the same, so the source can be changed for symbology layers. Another layer, “ToxFPM_LRM_Tests_103106.shp” was emailed to some members of the group, but not

put on the portal. It should also be discarded; its only difference from the '102406' layer is more detailed metadata.

The '102406' layer was used in CR2R APPX G Figs. 3-8 and 3-10. In Fig. 3-10, combined FPM and LRM predictions, these stations should have shown as toxic and did not. In Fig. 3-8, FPM predictions and tests, the error was not apparent because these are bioassay stations, and the test result replaced the prediction.

The prediction error was corrected before doing spatial cluster analysis to determine benthic iAOPCs, but it would not have affected the analysis in any case, for the same reason of tests trumping predictions.

Linda Marsh
Windward Environmental LLC
206-812-5423

The revised file may be found on the portal at this location:

[GIS | Comprehensive Round2 Report | Eco_Risk](#)

Thank you.

Sandy

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